

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1-7 (Previously canceled)

8. (Currently amended) A magnet coil comprising a winding (4) received in a magnet pot (1), said [the] winding (4) being formed of a baked enamel wire, and a [[coating]] low-viscosity potting material (7) that causes the winding (4) to hold together.

9. (Original) The magnet coil of claim 8, wherein said the winding (4) is disposed in a toroidal cup (21).

10. (Original) The magnet coil of claim 9, further comprising two encompassing chamfers (22) embodied in the interior of said magnet pot (1).

11. (Currently amended) The magnet coil of claim 8, further comprising a tubular plastic part (5) mounted on the magnet pot (1) so that the potting material rises in the tubular plastic part and provides hydraulic sealing and mechanical stability to the coil.

12. (Original) A method for producing a magnet coil including a winding (4) received in a magnet pot (1), said winding (4) being formed of a baked enamel wire, and a coating that causes the winding (4) to hold together the method comprising inserting said winding (4) into said magnet pot (1) and there potted with a low-viscosity potting material (7).

13. (Currently amended) A magnet valve for controlling the pumping quantity and/or the course of pumping of a fuel pump, the magnet valve comprising a magnet coil having a winding (4) received in a magnet pot (1), said the winding (4) being formed of a baked enamel wire, and a ~~[[coating]]~~ low-viscosity potting material (7) that causes the winding (4) to hold together.

14. (Currently amended) A fuel pump for pumping fuel in an internal combustion engine, including a magnet valve for controlling the pumping quantity and/or the course of pumping of a fuel pump, said magnet valve comprising a magnet coil including a winding (4) received in a magnet pot (1), said the winding (4) being formed of a baked enamel wire, and a ~~[[coating]]~~ low-viscosity potting material (7) that causes the winding (4) to hold together.

15. (Currently amended) The magnet coil of claim 9, further comprising a tubular plastic part (5) mounted on the magnet pot (1) so that the potting material rises in the tubular plastic part and provides hydraulic sealing and mechanical stability to the coil.

16. (Currently amended) A magnet coil of claim 10, further comprising a tubular plastic part (5) mounted on the magnet pot (1) so that the potting material rises in the tubular plastic part and provides hydraulic sealing and mechanical stability to the coil.

17. (Currently amended) A method for producing a magnet coil including a winding (4) disposed in a toroidal cup (21) received in a magnet pot (1), said winding (4) being formed of a baked enamel wire and coating that causes the winding (4) to hold together, the method comprising inserting said winding (4) into said magnet pot (1) and thereafter potting the winding (4) with a low viscosity potting material (7).